Metropolitan Planning Organization (MPO) and Rural Planning Organization (RPO) boundaries, 2021 – NC Department of Transportation





Tags

Polygon, North Carolina, NCDOT, Metropolitan Planning Organization, Rural Planning Organization, transportation, MPO, RPO, Census, Boundary, Boundaries, Transportation Planning, Transportation

Summary

To provide Metropolitan Planning Organization (MPO) and Rural Planning Organization (RPO) boundaries for the state of North Carolina in a GIS data format.

Description

Polygons depicting the various MPO and RPO boundaries, covering the entire state of North Carolina. Existing MPOs expanded their Metropolitan Planning Areas (MPAs) to include all territory in Census 2010 UZAs (Urbanized Areas). All boundary adjustments are approved by the Governor(s) and submitted to the FHWA Division Office(s). The MPA boundaries include the entire UZA boundary identified in the 2010 decennial Census and the contiguous geographic area likely to become urbanized within 20 years. RPOs were created for transportation planning in rural North Carolina areas not within an MPO.

Credits

North Carolina Department of Transportation, Transportation Planning Division, North Carolina Department of Information Technology-Transportation, GIS Unit.

Support and maintenance of the spatial database where this data resides is handled by the North Carolina Department of Transportation, Transportation Planning Division.

Use limitations

The North Carolina Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data. This dataset does not replace locally verified data.

Extent

West -84.422109 East -75.416032

North 36.617254 South 33.730554

Scale Range

Maximum (zoomed in) 1:500,000

ArcGIS Metadata ▶

Topics and Keywords ►

Themes or categories of the resource boundaries, planningCadastre, society, transportation

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS North Carolina

Hide Thesaurus ▲

THESAURUS

TITLE USER

CREATION DATE 2021-08-10 00:00:00

PUBLICATION DATE 2022-11-07 00:00:00

THEME KEYWORDS Polygon, NCDOT, Transportation Planning, Transportation, Planning Division, Location, Metropolitan Planning Organization, MPO, Rural Planning Organization, RPO, Boundary, Boundaries.

TITLE User

PUBLICATION DATE 2022-11-07 00:00:00

CREATION DATE 2021-08-10 00:00:00

Hide Thesaurus

Citation ▶

Hide Topics and Keywords ▲

TITLE Metropolitan Planning Organization (MPO) and Rural Planning Organization (RPO) boundaries, 2021 – NC Department of Transportation

vector digital data

ALTERNATE TITLES MPO and RPO Boundaries

PUBLICATION DATE 2022-11-07 00:00:00

CREATION DATE 2021-08-10 00:00:00

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT

Citation Contacts ▶

```
RESPONSIBLE PARTY
```

ORGANIZATION'S NAME North Carolina Geodetic Survey

CONTACT'S POSITION NCGS Chief

CONTACT'S ROLE originator

CONTACT INFORMATION

PHONE

VOICE 919-948-7844

FAX 919-733-4407

ADDRESS

Type postal

DELIVERY POINT 4298 Mail Service Center

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27699-428

COUNTRY US

E-MAIL ADDRESS gary.thompson@ncdps.gov

HOURS OF SERVICE

9:00am - 5:00pm Monday - Friday

CONTACT INSTRUCTIONS

Please send an email with any issues, questions or comments regarding the NC Planning Geodatabase. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

Hide Contact information ▲

RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation, Transportation Planning Division

CONTACT'S POSITION Transportation Engineer

CONTACT'S ROLE resource provider

```
CONTACT INFORMATION >
```

PHONE

VOICE 919-707-0900

ADDRESS

Type physical

DELIVERY POINT 1 South Wilmington Street

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27601

COUNTRY US

E-MAIL ADDRESS hlu@ncdot.gov

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9:00am - 5:00pm Monday - Friday

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RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Data and Services Consultant

CONTACT'S ROLE point of contact

CONTACT INFORMATION

ADDRESS

Type physical

DELIVERY POINT 4101 Capital Boulevard

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27604

COUNTRY US

E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE

9:00am - 5:00pm Monday - Friday

CONTACT INSTRUCTIONS

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Hide Contact information ▲

Hide Citation Contacts ▲

Resource Details ▶

DATASET LANGUAGES English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed

SPATIAL REPRESENTATION TYPE **vector**

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200); Esri ArcGIS 10.5.1.7333

CREDITS

North Carolina Department of Transportation, Transportation Planning Division, North Carolina Department of Information Technology-Transportation, GIS Unit.

Support and maintenance of the spatial database where this data resides is handled by the North Carolina Department of Transportation, Transportation Planning Division.

ARCGIS ITEM PROPERTIES

- * NAME MPO_RPO_Boundaries
- * SIZE 6.684
- * Location file://\\dot.nc.net\dfsroot01\Groups-GISNH\GIS-SpatialDataMgmt\Maintenance\QuarterlyDataRefresh\Boundary\2022Q4\2022Q4Final\MPO_RPO_BOUNDARY \MPO_RPO_Boundary_SHP\MPO_RPO_Boundaries.shp
 - * ACCESS PROTOCOL Local Area Network

Hide Resource Details A

Extents ▶

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -84.422111

EAST LONGITUDE -75.416034

SOUTH LATITUDE 33.730557

NORTH LATITUDE 36.617257

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -84.422109

* EAST LONGITUDE -75.416032

* NORTH LATITUDE 36.617254

* SOUTH LATITUDE 33.730554

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 406832.667400

* EAST LONGITUDE 3052480.071633

* SOUTH LATITUDE 34987.916111

* NORTH LATITUDE 1043624.438204

* EXTENT CONTAINS THE RESOURCE Yes

Hide Extents ▲

Resource Points of Contact ▶

POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Data and Services Consultant

CONTACT'S ROLE point of contact

CONTACT INFORMATION >

ADDRESS

Type physical

DELIVERY POINT 4101 Capital Boulevard

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27604

COUNTRY US

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E-MAIL ADDRESS gishelp@ncdot.gov
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HOURS OF SERVICE

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CONTACT INSTRUCTIONS

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Hide Contact information

Hide Resource Points of Contact ▲

Resource Maintenance ▶

RESOURCE MAINTENANCE

UPDATE FREQUENCY quarterly

SCOPE OF THE UPDATES dataset

OTHER MAINTENANCE REQUIREMENTS

North Carolina Department of Transportation, Transportation Planning Division, North Carolina Department of Information Technology-Transportation, GIS Unit.

Support and maintenance of the spatial database where this data resides is handled by the North Carolina Department of Transportation, Transportation Planning Division.

MAINTENANCE CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation, Transportation Planning Division

CONTACT'S POSITION Transportation Engineer

CONTACT'S ROLE point of contact

CONTACT INFORMATION >

PHONE

VOICE 919-707-0900

ADDRESS

Type physical

DELIVERY POINT 1 South Wilmington Street

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27601

COUNTRY US

E-MAIL ADDRESS hlu@ncdot.gov

HOURS OF SERVICE

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Hide Contact information ▲

Hide Resource Maintenance ▲

Resource Constraints >

LEGAL CONSTRAINTS

LIMITATIONS OF USE

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SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

LIMITATIONS OF USE

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CONSTRAINTS

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Spatial Reference ▶

ARCGIS COORDINATE SYSTEM

- * Type Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * PROJECTION NAD 1983 StatePlane North Carolina FIPS 3200 Feet
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

Well-known identifier 102719

X ORIGIN -121841900

Y ORIGIN -93659000

XY SCALE 36365718.124241434

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.00328083333333333333

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 2264

WELL-KNOWN TEXT

PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983 ",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Gree nwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMET ER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridi an",-

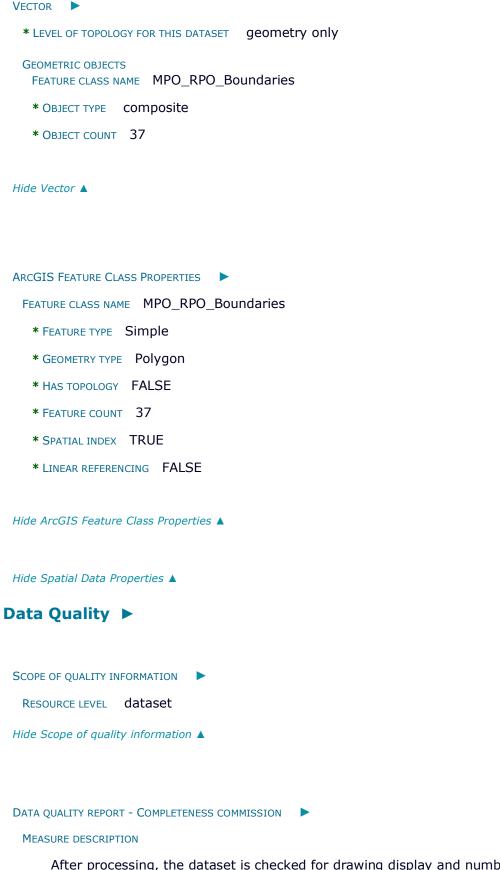
REFERENCE SYSTEM IDENTIFIER

VALUE 2264

- * CODESPACE EPSG
- * VERSION 6.12(9.0.0)

Hide Spatial Reference ▲

Spatial Data Properties ▶



After processing, the dataset is checked for drawing display and number of records and file sizes compared with source materials.

CONFORMANCE TEST RESULTS TEST PASSED Yes **RESULT EXPLANATION** Pass. PRODUCT SPECIFICATION > TITLE NCDOT Geospatial Data Specifications CREATION DATE 2022-10-14 00:00:00 PUBLICATION DATE 2022-10-14 00:00:00 Hide Product specification ▲ Hide Data quality report - Completeness commission ▲ DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY MEASURE DESCRIPTION This dataset is converted to file geodatabase (FGDB) format using tools in ArcGIS. The geometry is checked, and if needed repaired. **CONFORMANCE TEST RESULTS** TEST PASSED Yes **RESULT EXPLANATION** Pass. PRODUCT SPECIFICATION > TITLE NCDOT Geospatial Data Specifications CREATION DATE 2022-10-14 00:00:00

PUBLICATION DATE 2022-10-14 00:00:00 Hide Product specification ▲ Hide Data quality report - Conceptual consistency ▲

MEASURE DESCRIPTION

The source data was checked using standard review procedures. Attributes were checked by using visual inspection as well as automated verification routines. Geometry checks were conducted using Esri's Data Reviewer tool.

CONFORMANCE TEST RESULTS
TEST PASSED Yes

RESULT EXPLANATION

Pass.

PRODUCT SPECIFICATION >

TITLE NCDOT Geospatial Data Specifications

CREATION DATE 2022-10-14 00:00:00

PUBLICATION DATE 2022-10-14 00:00:00

Hide Product specification ▲

Hide Data quality report - Quantitative attribute accuracy ▲

Hide Data Quality ▲

Lineage ▶

LINEAGE STATEMENT

This dataset was originally created by the North Carolina Department of Transportation to provide a geographic representation of the Metropolitan Planning Organization (MPO) and Rural Planning Organization (RPO) in North Carolina. MPO boundaries are created from 2010 Census data. RPO boundaries are the non-MPO group of counties. The data were then used by the NC Department of Transportation GIS Unit for further data processing. The final product was utilized by the NC Transportation Planning Division.

PROCESS STEP



WHEN THE PROCESS OCCURRED 2011-11-28 00:00:00

DESCRIPTION

The North Carolina Department of Transportation created the polygons depicting the various MPO and RPO boundaries, covering the entire state of North Carolina. Existing MPOs expanded their Metropolitan Planning Areas (MPAs) to include all territory in Census 2010 UZAs (Urbanized Areas). All boundary adjustments are approved by the Governor(s) and submitted to the FHWA Division Office(s). The MPA boundaries include the entire UZA boundary identified in the 2010 decennial Census and the contiguous

geographic area likely to become urbanized within 20 years. RPOs were created for transportation planning in rural North Carolina areas not within an MPO.

PROCESS CONTACT ORGANIZATION'S NAME North Carolina Department of Transportation, Transportation Planning Division CONTACT'S POSITION Transportation Engineer CONTACT'S ROLE originator CONTACT INFORMATION > **PHONE** VOICE 919-707-0900 **ADDRESS** Type physical DELIVERY POINT 1 South Wilmington Street CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27601 COUNTRY US E-MAIL ADDRESS hlu@ncdot.gov HOURS OF SERVICE 9:00am - 5:00pm Monday - Friday **CONTACT INSTRUCTIONS** Please send an email with any issues, questions or comments regarding the NC Planning Geodatabase. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email. Hide Contact information ▲ Hide Process step ▲

WHEN THE PROCESS OCCURRED 2016-02-08 00:00:00

PROCESS STEP

DESCRIPTION

Data provided to NCDOT-GIS for publication.

PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Data and Services Consultant

CONTACT'S ROLE point of contact

CONTACT INFORMATION

ADDRESS

Type physical

DELIVERY POINT 4101 Capital Boulevard

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27604

COUNTRY US

E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE

9:00am - 5:00pm Monday - Friday

CONTACT INSTRUCTIONS

Please send an email with any issues, questions, or comments regarding the CTP Geodatabase. If it is an immediate need, indicate as such in the subject line in an email.

Hide Contact information ▲

Hide Process step ▲

Hide Lineage ▲

Distribution ▶

DISTRIBUTOR >



CONTACT INFORMATION

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Data and Services Consultant

CONTACT INFORMATION > **ADDRESS** Type physical DELIVERY POINT 4101 Capital Boulevard CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27604 COUNTRY US E-MAIL ADDRESS gishelp@ncdot.gov Hours of Service 9:00am - 5:00pm Monday - Friday **CONTACT INSTRUCTIONS**

Please send an email with any issues, questions, or comments regarding the CTP Geodatabase. If it is an immediate need, indicate as such in the subject line in an email.

Hide Contact information ▲

```
Hide Distributor ▲
```

```
DISTRIBUTION FORMAT
```

* NAME Shapefile

VERSION 10.5.1

TRANSFER OPTIONS

TRANSFER SIZE 9.615

ONLINE SOURCE

LOCATION https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx

Hide Distribution ▲

Fields ▶

```
DETAILS FOR OBJECT MPO_RPO_Boundaries ▶
```

- * TYPE Feature Class
- * Row Count 37

DEFINITION SOURCE

North Carolina Department of Transportation, Transportation Planning Division

DEFINITION

NC MPO and RPO Boundaries

FIELD FID >

- * ALIAS FID
- * DATA TYPE OID
- * WIDTH 4
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field FID ▲

FIELD Shape ▶

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Coordinates defining the features.

Hide Field Shape ▲

FIELD Type ▶

- * ALIAS Type
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Indicator if polygon is an MPO or RPO.

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE MPO

DESCRIPTION Metropolitan Planning Organization

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE RPO

DESCRIPTION Rural Planning Organization

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field Type ▲

FIELD Name

- * ALIAS Name
- * DATA TYPE String
- * WIDTH 100

* Precision 0
* SCALE 0
FIELD DESCRIPTION
Name of Metropolitan Planning Organization or Rural Planning Organization.
DESCRIPTION SOURCE
NCDOT
DESCRIPTION OF VALUES
Text.
Hide Field Name ▲
FIELD Lengths >
* ALIAS Lengths
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Total MPO or RPO boundary length in miles.
DESCRIPTION SOURCE
NCDOT
DESCRIPTION OF VALUES
Values vary.
Hide Field Lengths ▲
Field Areas ►
* ALIAS Areas

* DATA TYPE Double

* WIDTH 19

```
* PRECISION 0
    * SCALE 0
    FIELD DESCRIPTION
       Area of MPO or RPO in square miles.
    DESCRIPTION SOURCE
       NCDOT
    DESCRIPTION OF VALUES
       Values vary.
  Hide Field Areas A
 Hide Details for object MPO_RPO_Boundaries ▲
 Hide Fields ▲
Metadata Details ▶
 METADATA LANGUAGE English (UNITED STATES)
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format
 SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
 SCOPE NAME * dataset
 * LAST UPDATE 2022-10-18
 ARCGIS METADATA PROPERTIES
  METADATA FORMAT ArcGIS 1.0
  STANDARD OR PROFILE USED TO EDIT METADATA ISO19139
  METADATA STYLE ISO 19139 Metadata Implementation Specification
```

2022 10 12 12 22 24

CREATED IN ARCGIS FOR THE ITEM 2022-10-13 13:32:34 LAST MODIFIED IN ARCGIS FOR THE ITEM 2022-10-18 10:10:46

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2022-10-18 10:10:46

Hide Metadata Details ▲

Metadata Contacts ▶

METADATA CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Data and Services Consultant

CONTACT'S ROLE point of contact

CONTACT INFORMATION >

ADDRESS

Type physical

DELIVERY POINT 4101 Capital Boulevard

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27604

COUNTRY US

E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE

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Hide Contact information ▲

Hide Metadata Contacts ▲

Metadata Maintenance ▶

MAINTENANCE

UPDATE FREQUENCY quarterly

Scope of the updates dataset

MAINTENANCE CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Data and Services Consultant

CONTACT'S ROLE point of contact

CONTACT INFORMATION

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Hide Metadata Maintenance

Metadata Constraints ▶

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SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

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Hide Metadata Constraints ▲

Thumbnail and Enclosures >

Hide Thumbnail and Enclosures ▲